

SMART CHARGER (CH120)

Instruction Manual

Thank you for your choice of this Smart Charger. Please suggest you read this instruction manual thoroughly before using the instrument. Save this instrument manual for future use.

Features and Functions

- Input: AC100V - 240V, 50Hz/60Hz
- Three charging steps: Bulk, Absorption, Float
- Design with switching mode circuit
- Protection functions:
 - Over thermal protection
 - Output short-circuit protection
 - Polarity-reverse protection

Safety Instructions

Please read and understand all of the following instructions, prior to using this tool.

Warning

- Explosive gases. Prevent flames and sparks. Provide adequate ventilation during charging.
- Against recharging non-rechargeable batteries
- For indoor use, or do not expose to rain.
- When the charger making the connections to automobile batteries. The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line.
- Instruct the child not to try and recharge non-rechargeable batteries because of the danger of eruption.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

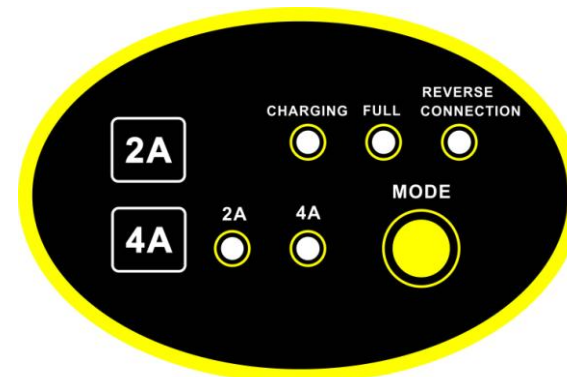
Direction for Use

1. Please turn off all electric equipments which connect to battery. Be sure the charger only works with battery.
2. Check the polarity of battery. The "+" symbol indicates the corresponding pole is positive piece which connects to red clamps. The "-" symbol indicates the corresponding pole is negative piece which connects to black clamps.
3. Connect charger battery clamps to charger leads. Then connect charger red clamps to battery positive piece and connect charger black clamps to battery negative piece.
4. If red led lights, swap battery red clamps and battery black clamps.
5. Connect the charger to AC power.
6. Press button to select suitable current.
7. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.

Attention

- Before charging please insure the battery is 12V battery.
- Keep enough space between charger red clamps and charger black clamps to avoid short circuit.
- Avoid the charger leads is rifted by hook, door, and others.
- Disconnect the supply before making or breaking the connections to the battery.
- This appliance is not intended for use by person (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

LED and Button



Charging: Indicate the battery is charging

Full: Indicate the battery is full

Reverse connection: Indicate the battery clamps is reverse

2A: Indicate the bulk current is 2A

4A: Indicate the bulk current is 4A

Mode: Press it to select 2A or 4A current

Output Specifications

- Bulk current: 2.0A±0.3A / 4.0A±0.3A
- Absorption voltage: 14.7V±0.3V
- Float voltage: 13.7V±0.3V

Battery type

Lead acid battery

Battery Capacity

Battery capacity greater than 6Ah.

Recommended Battery Capacity

2A current match with 6Ah-14Ah battery
4A current match with 14Ah-40Ah battery